Arjun Malleswaran

2nd year undergraduate data science major at UC San Diego with a background in full stack web development. Strong experience and interest in big data analysis and software development.

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WORK EXPERIENCE

Beaver, Full Stack Developer - *San Ramon, CA*   **June 2021 - October 2021**
Slack based learning management system (LMS)

- Designed and built a lesson creation service on Slack for employers to cut onboarding time by 15%
- Expected to launch LMS with companies of 20-50 employees in 2022
- Architected back-end development by designing an efficient database of 8 tables with Prisma DB and SQL
- Developed frontend and UI/UX side of the app with React.js and Redux Toolkit and led user-acceptance testing for v1 product launch

Formation Blocks, Full Stack Developer - *San Ramon, CA*   **June 2021 - October 2021**
A multi-chain cryptocurrency infrastructure service

- Executed complete front-end production of a cryptocurrency wallet app with React.js and Redux Toolkit
- Created a secure login process using an email verification API and password restrictions
- Expedited management of 6 cryptocurrencies by using the multi-chain model of a cryptocurrency wallet

BRIIA, Marketing Program Manager - *San Ramon, CA*   **August 2019 - June 2020**
Tech and software startup accelerator

- Constructed and deployed BRIIA's new project The Intelligent Accelerator with a team of 5, a personalized 6-week mentored program that helps secure $500,000+ in venture capital
- Organized and managed activities in a 12 week course for 15 CEOs of tech startups and interacted with high level investors and venture capitalists

PROJECTS

Barbershop Web App, Team Lead - *San Diego, CA*   **November 2021 - Present**
- Spearheading a team of 5 as lead full-stack engineer to design an app to schedule barber appointments
- Architecting system design by assessing 20+ libraries and prioritized React.js, Node.js, MongoDB as the key components of the technology stack
- Coaching 3 other team members on React/Tailwind CSS to accelerate development timeline
- Expect to launch web app to 40 customers/month and alleviate administrative burden for barbers

Notetaker Web App, Self-initiated Project - *San Diego, CA*   **November 2021**
- Launched a frontend app for digital note taking with Markdown formatting using React and Redux toolkit
- Directed user acceptance testing by authorizing test scripts, and seeking feedback from 10+ users

DS3 DataHacks Hackathon, Data Analyst - *San Diego, CA*   **April 2021**
- Led a winning team of 4 to perform an exploratory analysis of core practices of 8 major religions
- Planned end-to-end project management to deliver code and graphical analysis within hackathon timeline
- Optimized sentiment analysis machine learning algorithm on 8000+ data points in order to generate data
- Generated 20+ visualizations using matplotlib to identify trends and core principles across religions

SKILLS & INTERESTS

- **Languages:** Python (pandas, NumPy, matplotlib), Java, JavaScript, C++, MATLAB, Tableau, Excel, Git, R
- **Frontend:** React.js, Tailwind CSS, HTML, Redux Toolkit
- **Backend:** Node.js, Prisma, RTK Query, SQL, PostgreSQL
- **Interests:** Business Analytics, Sports Analytics, Design, Stock Investing, Student Mentoring, Basketball, Chess, Hiking

EDUCATION

University of California, San Diego - *Bachelors of Science Data Science*   **June 2024 Expected**

Core Classes: Data Structures and Algorithms, Theoretical Foundations of Data Science I & II, Business Analytics